

## WHAT IS CLAIMED IS:

1. A purified polypeptide consisting of an amino acid sequence selected from the group consisting of.
  - a) the amino acid sequence set forth in SEQ ID NO:6;
  - b) the amino acid sequence set forth in SEQ ID NO:7;
  - c) the amino acid sequence set forth in SEQ ID NO:8;
  - d) the amino acid sequence set forth in SEQ ID NO:9; and
  - e) the amino acid sequence set forth in SEQ ID NO:10.
2. A purified polypeptide consisting of an amino acid sequence selected from the group consisting of.
  - a) the amino acid sequence set forth in SEQ ID NO:1;
  - b) the amino acid sequence set forth in SEQ ID NO:2;
  - c) the amino acid sequence set forth in SEQ ID NO:3;
  - d) the amino acid sequence set forth in SEQ ID NO:4; and
  - e) the amino acid sequence set forth in SEQ ID NO:5.
3. The purified polypeptide of claim 1, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:6.
4. The purified polypeptide of claim 1, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:7.
5. The purified polypeptide of claim 1, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:8.
6. The purified polypeptide of claim 1, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:9.
7. The purified polypeptide of claim 1, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:10.

8. The purified polypeptide of claim 2, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:1.

9. The purified polypeptide of claim 2, wherein said polypeptide  
5 consists of the amino acid sequence set forth in SEQ ID NO:2.

10. The purified polypeptide of claim 2, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:3.

10 11. The purified polypeptide of claim 2, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:4.

12. The purified polypeptide of claim 2, wherein said polypeptide consists of the amino acid sequence set forth in SEQ ID NO:5.

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13. A purified polypeptide consisting of a signal peptide operably linked to an amino acid sequence selected from the group consisting of.

- a) the amino acid sequence set forth in SEQ ID NO:6;
- b) the amino acid sequence set forth in SEQ ID NO:7;
- 20 c) the amino acid sequence set forth in SEQ ID NO:8;
- d) the amino acid sequence set forth in SEQ ID NO:9; and
- e) the amino acid sequence set forth in SEQ ID NO:10.

14. The purified polypeptide of claim 13, wherein said signal peptide is  
25 a plant signal peptide.

15. The purified polypeptide of claim 13, wherein said signal peptide is a mammalian signal peptide.

30 16. The purified polypeptide of claim 1, wherein said polypeptide is recombinantly produced in a host cell.

17. The purified polypeptide of claim 16, wherein said host cell is selected from a mammalian cell, a plant cell, an insect cell, a yeast cell, and a prokaryotic cell.
- 5 18. The purified polypeptide of claim 17, wherein said host cell is a plant cell
19. The purified polypeptide of claim 18, wherein said plant cell is a duckweed cell.
- 10 20. The purified polypeptide of claim 17, wherein said polypeptide is recombinantly produced in a host cell.
21. The purified polypeptide of claim 20, wherein said host cell is selected from a mammalian cell, a plant cell, an insect cell, a yeast cell, and a prokaryotic cell.
- 15 22. The purified polypeptide of claim 21, wherein said host cell is a plant cell
- 20 23. The purified polypeptide of claim 22, wherein said plant cell is a duckweed cell.
24. A composition comprising the purified polypeptide of claim 1 and a pharmaceutically acceptable carrier.
- 25 25. A composition comprising the purified polypeptide of claim 2 and a pharmaceutically acceptable carrier.
- 30 26. A composition comprising two or more purified polypeptides selected from the group consisting of:
- a) the amino acid sequence set forth in SEQ ID NO:6;
  - b) the amino acid sequence set forth in SEQ ID NO:7;

- c) the amino acid sequence set forth in SEQ ID NO:8;
- d) the amino acid sequence set forth in SEQ ID NO:9; and
- e) the amino acid sequence set forth in SEQ ID NO:10.

5           27. The composition of claim 28, wherein said composition comprises three or more purified polypeptides selected from the group consisting of:

- a) the amino acid sequence set forth in SEQ ID NO:6;
- b) the amino acid sequence set forth in SEQ ID NO:7;
- c) the amino acid sequence set forth in SEQ ID NO:8;
- 10       d) the amino acid sequence set forth in SEQ ID NO:9; and
- e) the amino acid sequence set forth in SEQ ID NO:10.

          28. The composition of claim 27, wherein said composition comprises four or more purified polypeptides selected from the group consisting of:

- 15       a) the amino acid sequence set forth in SEQ ID NO:6;
- b) the amino acid sequence set forth in SEQ ID NO:7;
- c) the amino acid sequence set forth in SEQ ID NO:8;
- d) the amino acid sequence set forth in SEQ ID NO:9; and
- e) the amino acid sequence set forth in SEQ ID NO:10.

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          29. The composition of claim 28, wherein said composition comprises five or more purified polypeptides selected from the group consisting of:

- a) the amino acid sequence set forth in SEQ ID NO:6;
- b) the amino acid sequence set forth in SEQ ID NO:7;
- 25       c) the amino acid sequence set forth in SEQ ID NO:8;
- d) the amino acid sequence set forth in SEQ ID NO:9; and
- e) the amino acid sequence set forth in SEQ ID NO:10.

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30. An isolated polynucleotide encoding the polypeptide of claim 1.

31. An isolated polynucleotide encoding the polypeptide of claim 2.

32. An isolated polynucleotide encoding the polypeptide of claim 13.

33. An expression cassette comprising the isolated nucleic acid molecule of claim 30.

5 34. A host cell comprising the expression cassette of claim 33.

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